

FIG.1

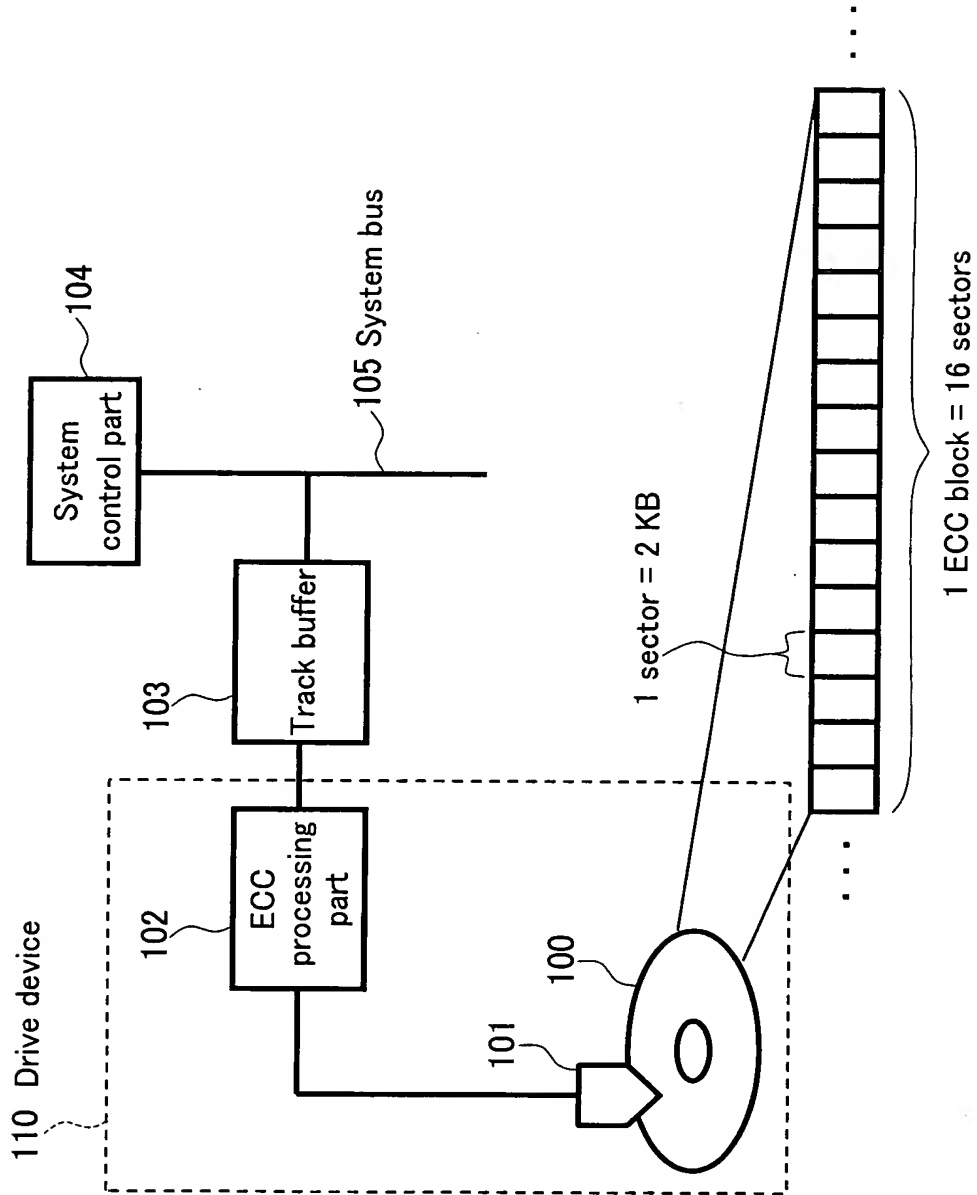


FIG.2

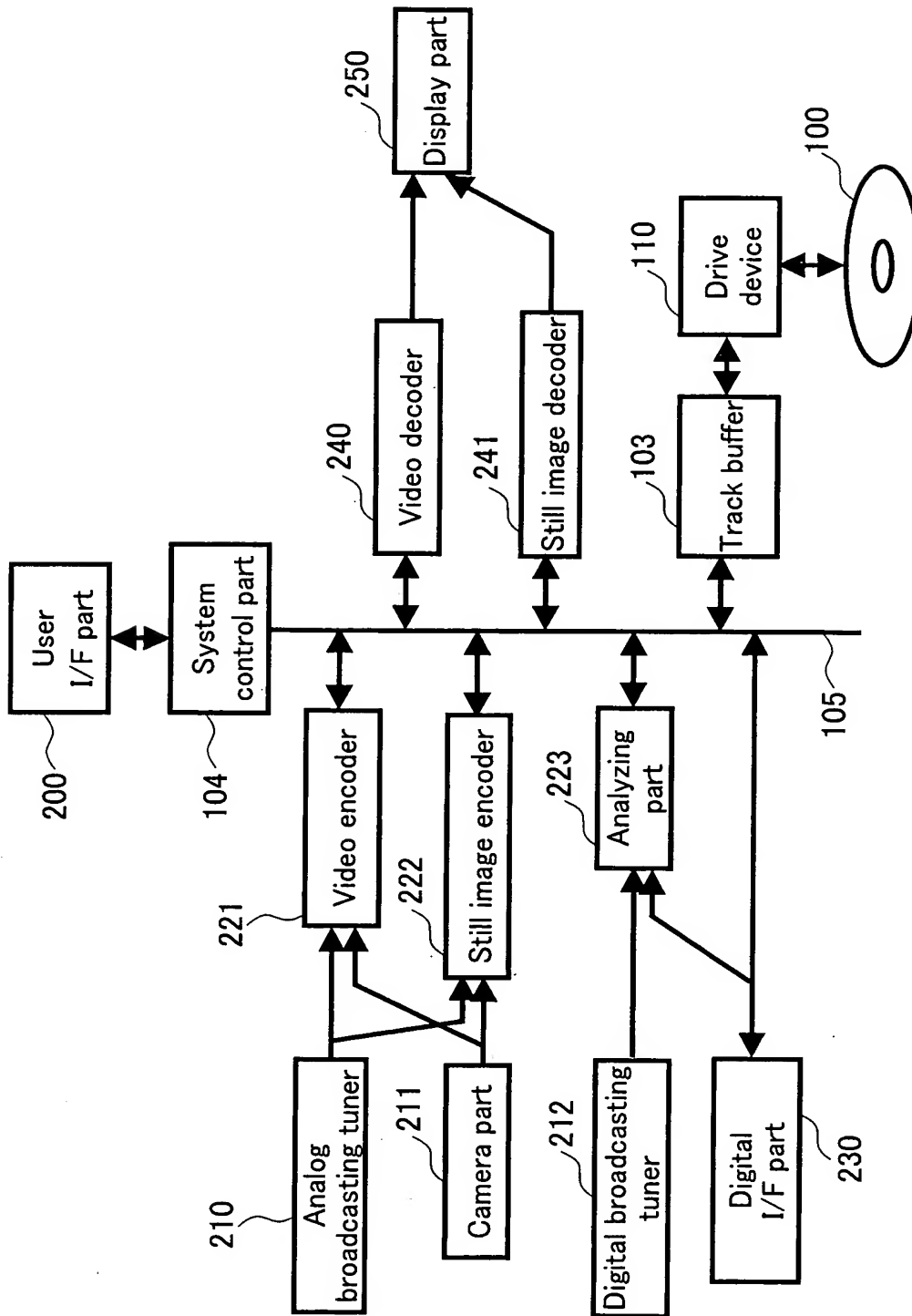


FIG.3

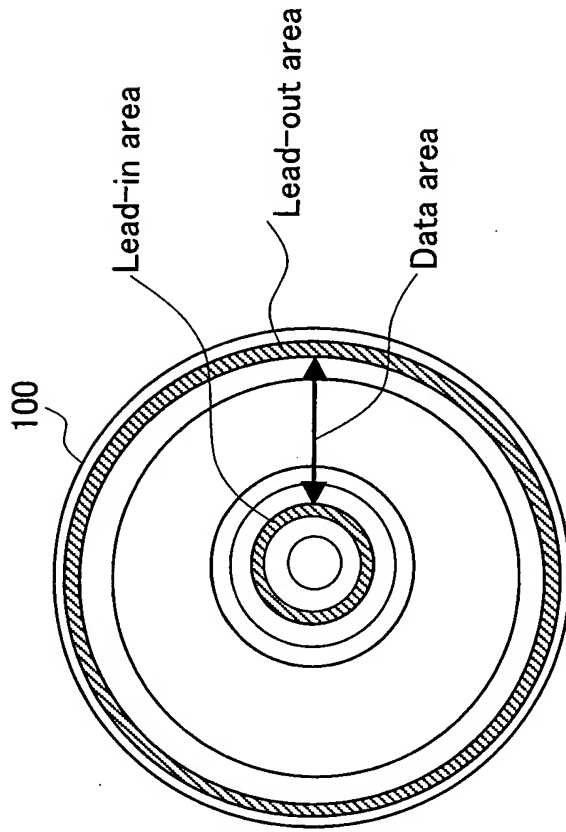


FIG. 4A

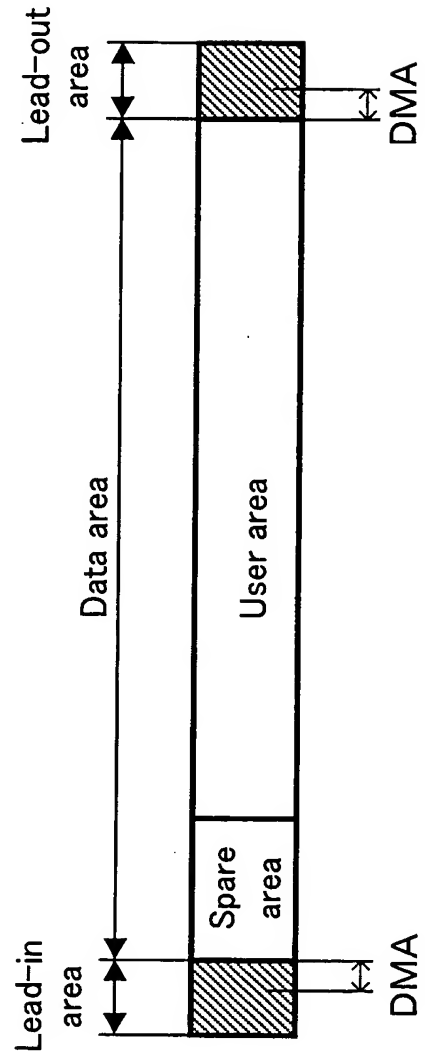


FIG. 4B

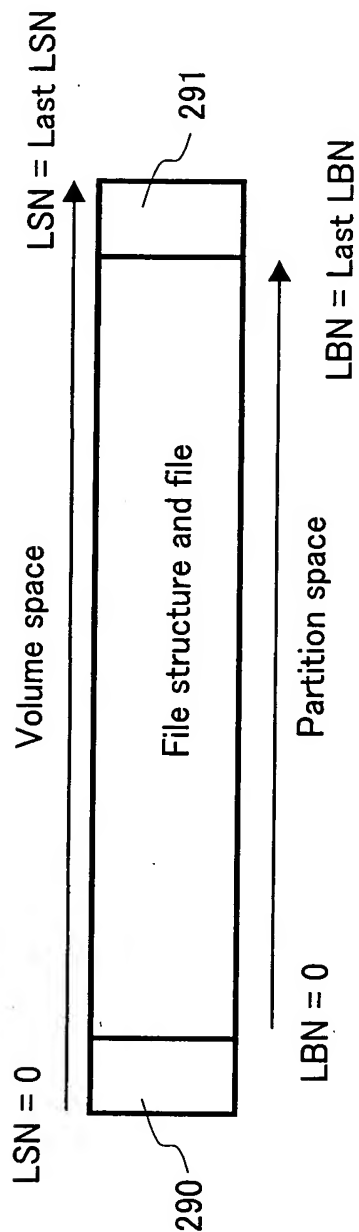


FIG.5

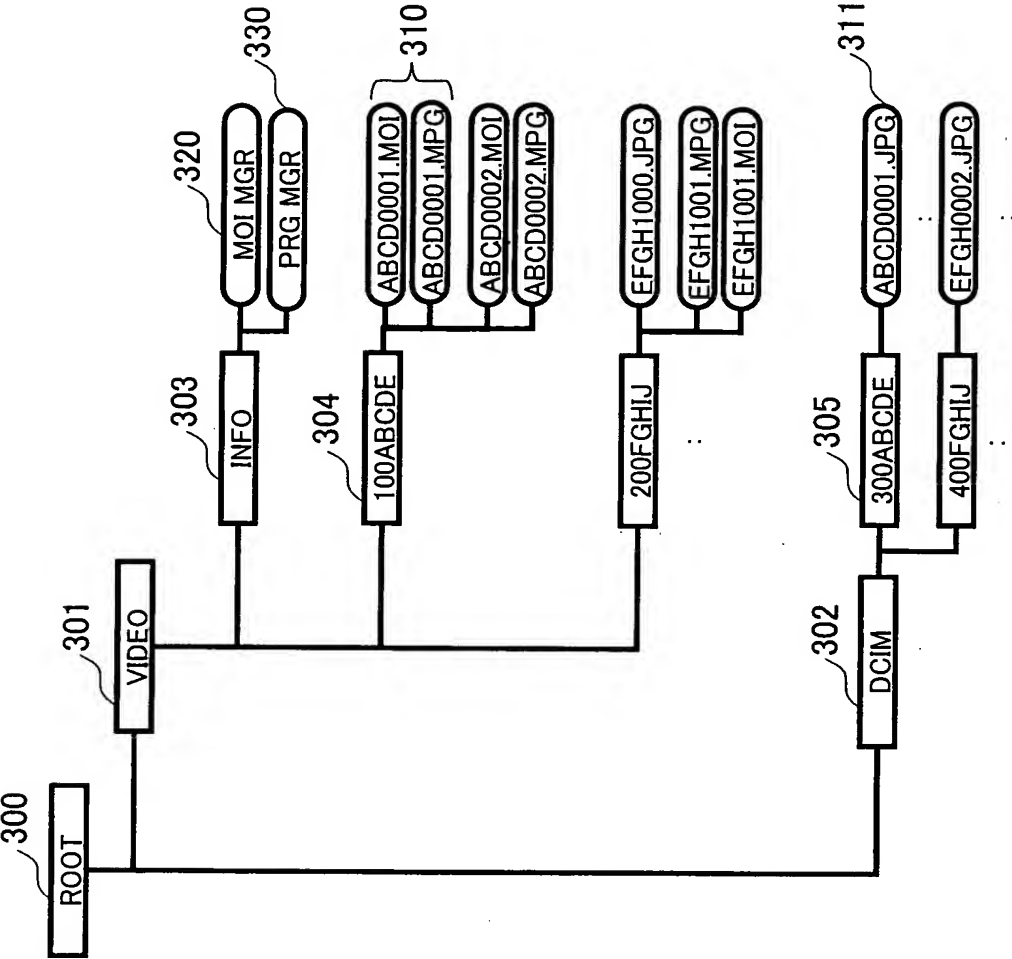


FIG.6

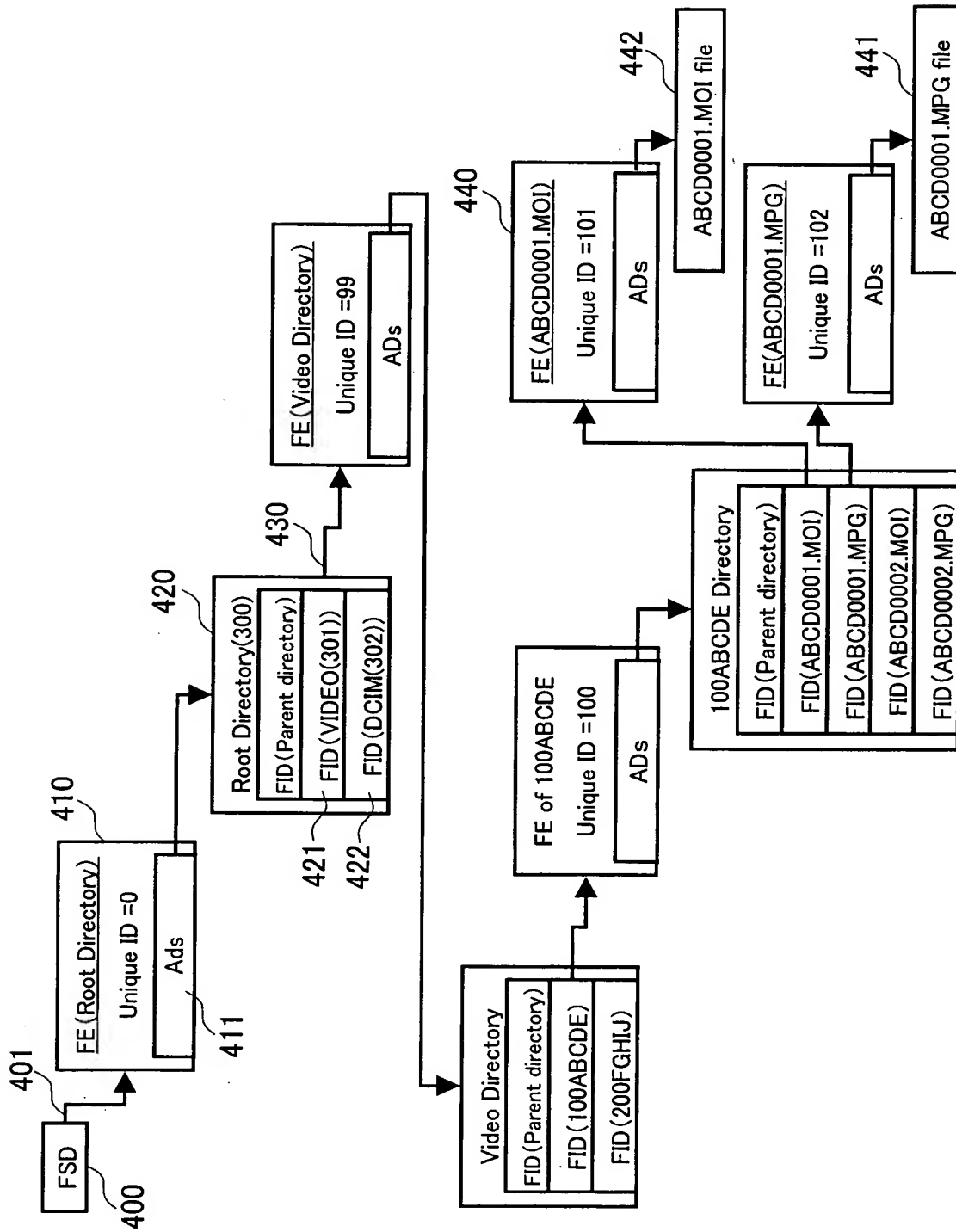


FIG. 7

500

BP	Length	Field name	Contents
0	16	Descriptor Tag	Tag
...
160	8	Unique ID	UInt64
168	4	Length of Extended Attribute (= L_EA)	UInt32
172	4	Length of Allocation Descriptors (= L_AD)	UInt32
176	L_EA	Extended Attributes (EAs)	Bytes
a	L_AD	Allocation Descriptors (ADs)	bytes

501

502

503

FIG.8A

510

BP	Length	Field name	Contents
0	16	Descriptor Tag	Tag
...
19	1	Length of File Identifier (= L_FI)	UInt8
20	16	ICB	long_ad
...
a	L_FI	File Identifier	d-character
b	c	Padding	bytes

511

FIG.8B

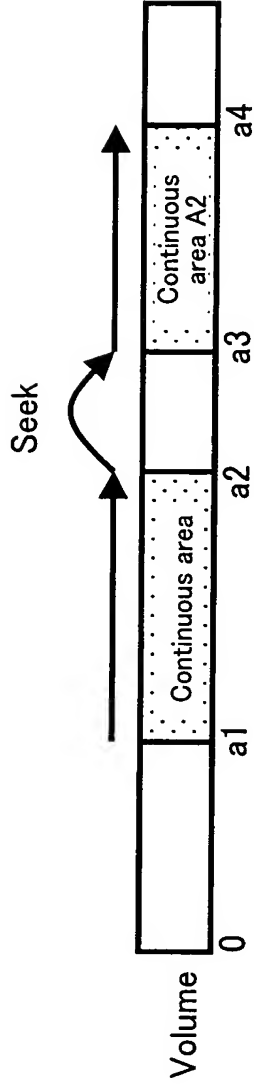


FIG.9A

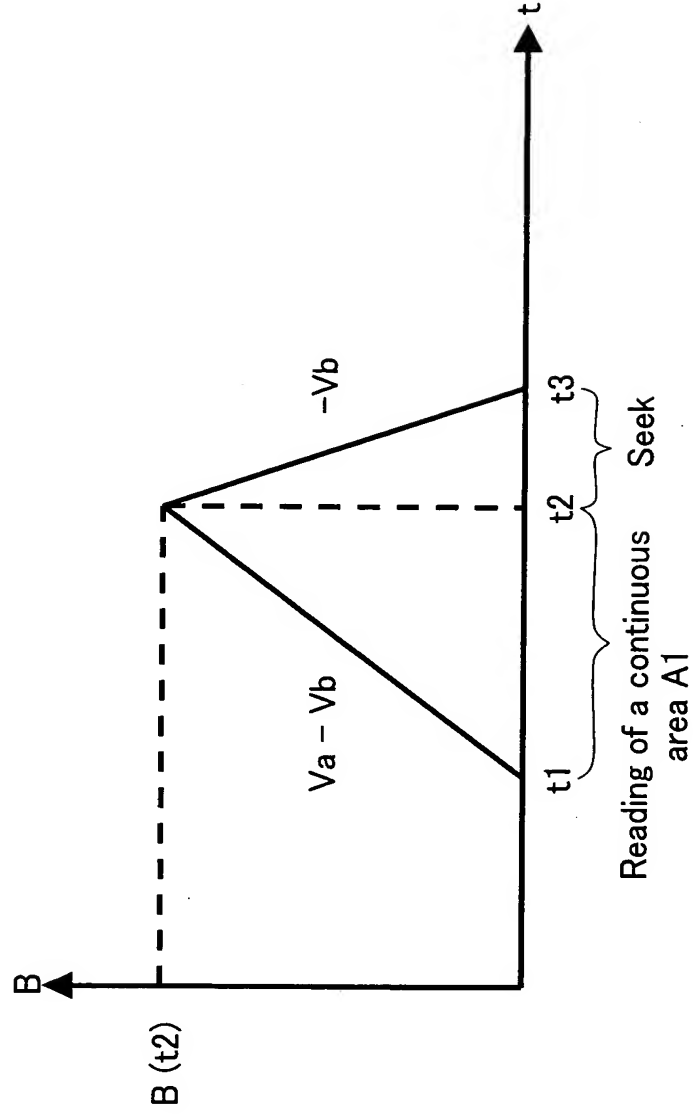


FIG.9B

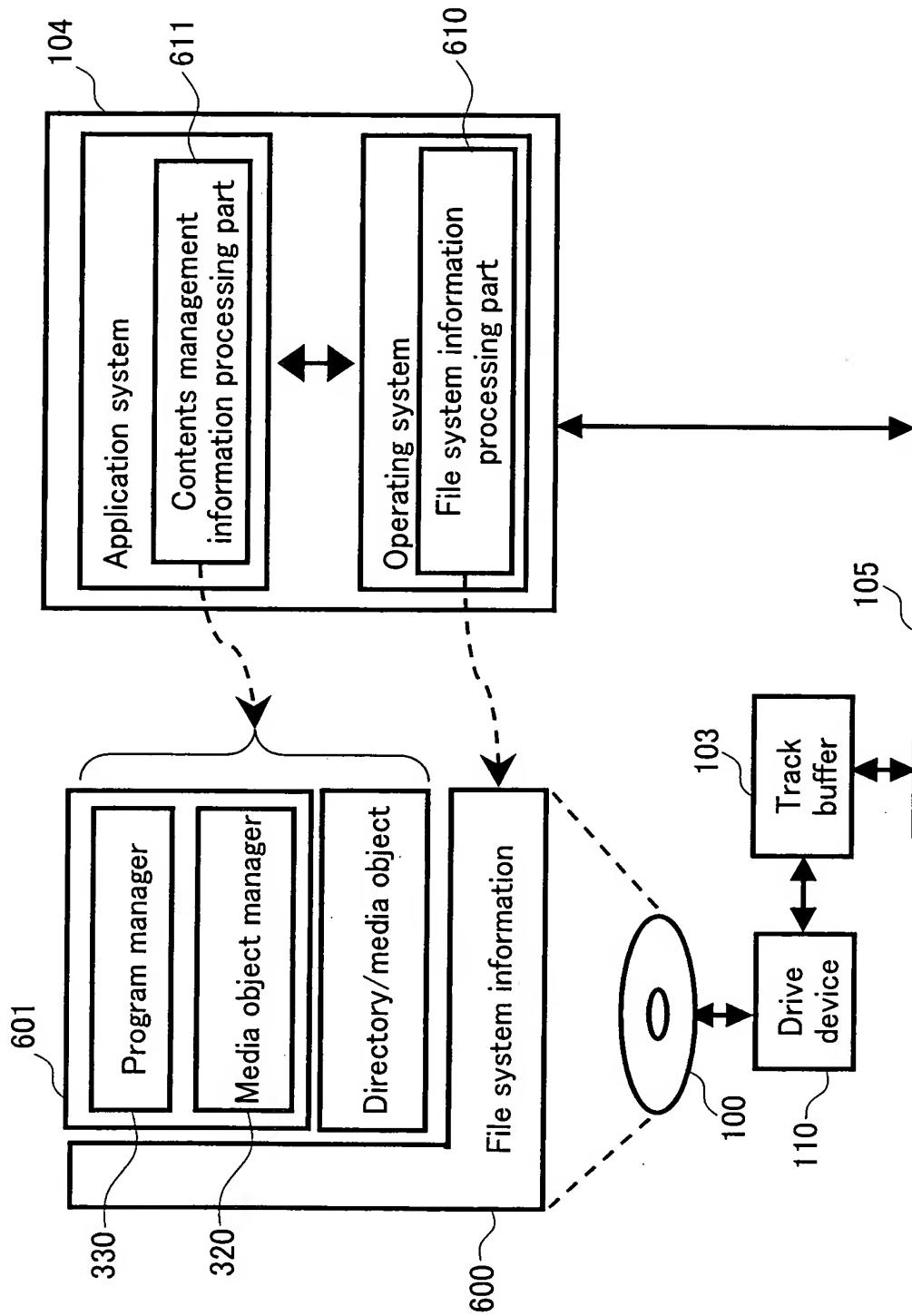


FIG.10

320

Field name	Contents
const unsigned int(16) DataType	Type of MO_MGR (Fixed value)
unsigned int(16) DataSize	Size of MO_MGR
unsigned int(32) PlayBackDuration	Total reproduction time of all media objects (ms)
unsigned int(16) NumMoInfo	Number of object management information (MO_INFO)
int i; for (i=0; i < NumMoInfo; i++) { MO_INFO MoInfo }	Table of object management information

700

FIG.11

Field name	Contents
unsigned int(16) MoType	Type of a media object
unsigned int(16) Attributes	Attribute information of a media object
OBJ_ID MoRef	Object reference information
unsigned int(64) FsUniqueID	Unique ID assigned by a file system
unsigned int(32) PlayBackDuration	Reproduction time of a media object (ms)
unsigned int(16) TextID	Reference information to text information
unsigned int(16) ThumbID	Reference information to representative thumbnail image information

FIG.12

FIG.13A

Value of MoType

Value	Interpretation
1	Directory
2	Video object (Extension: MOI)
3	Still image object (Extension: JPG)
...	...

FIG.13B

Value of OBJ_ID

Field name	Interpretation
Unsigned int(8) Parent Dir No.	0: /VIDEO Directory 1: /DCIM Directory Others: Reservation
Unsigned int(16) Dir No.	Numerical portion in a name of a parent directory of a media object
Unsigned int(16) File No.	Numerical portion in a name of a file of a media object

330

Field name	Contents
const unsigned int(16) DataType	Type of MO_MGR (Fixed value)
unsigned int(16) DataSize	Size of MO_MGR
unsigned int(32) PlayBackDuration	Reproduction time of all programs (ms)
unsigned int(16) NumPrgInfo	Number of program information (PRG_INFO)
int i; for (i =0; i <NumPrgInfo; i++) { PRG_INFO PrgInfo; }	Table of program information

800

FIG.14

800

Field name	Contents
const unsigned int(16) DataType	Type of PRG_INFO (Fixed value)
unsigned int(16) DataSize	Size of PRG_INFO
unsigned int(16) Attributes	Attribute information of a program
OBJ_ID PrgID	Program identification information
unsigned int(32) PlayBackDuration	Reproduction time of a program (ms)
unsigned int(16) TextID	Reference information to text information
unsigned int(16) ThumbID	Reference information to representative thumbnail image information
unsigned int(16) NumMoInfo	Number of object management information (MO_INFO) contained in this program
int i; for (i =0; i < NumMoInfo; i++) { unsigned int(32) MoID; }	Reference table to object management information

810

FIG15

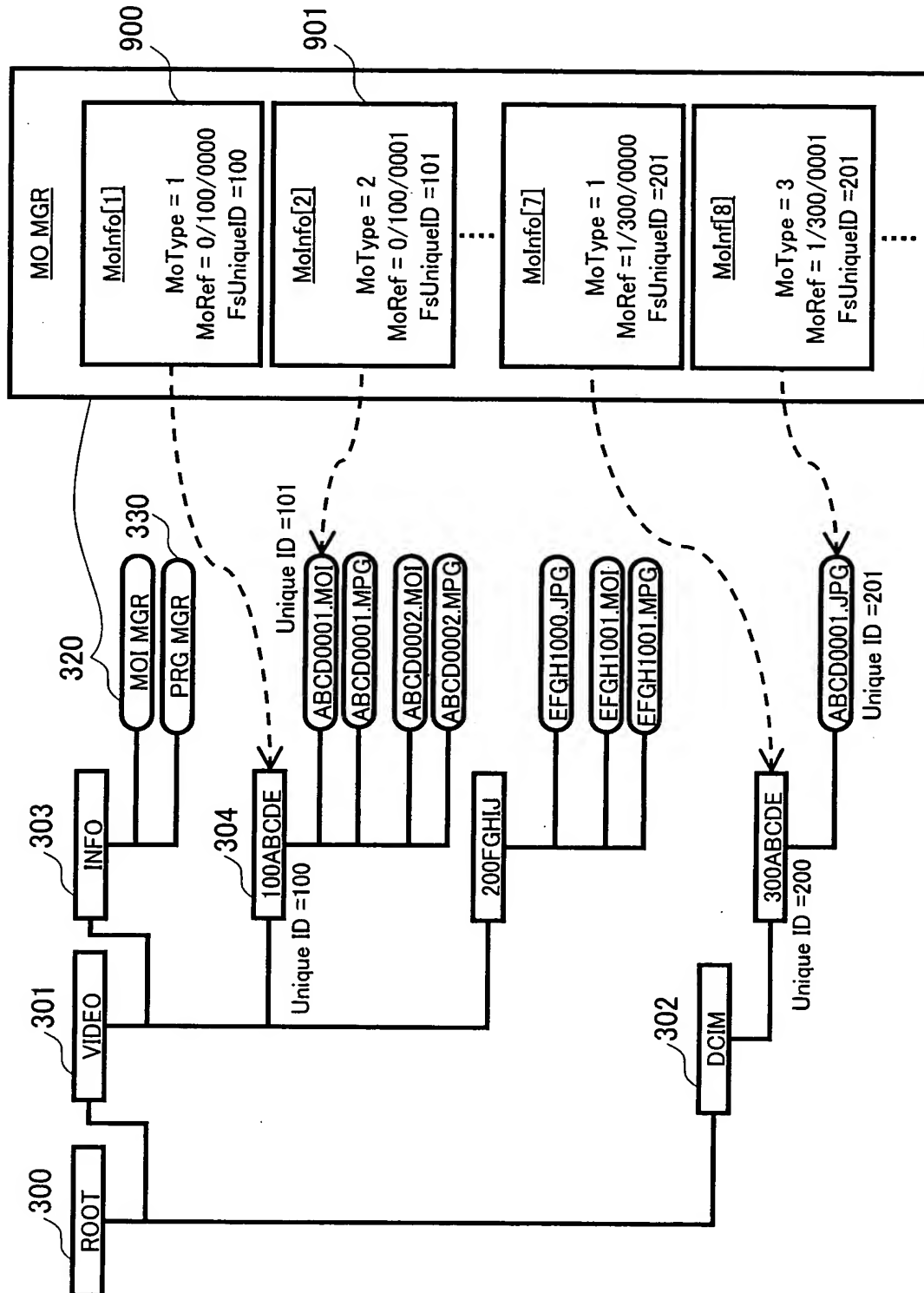


FIG.16

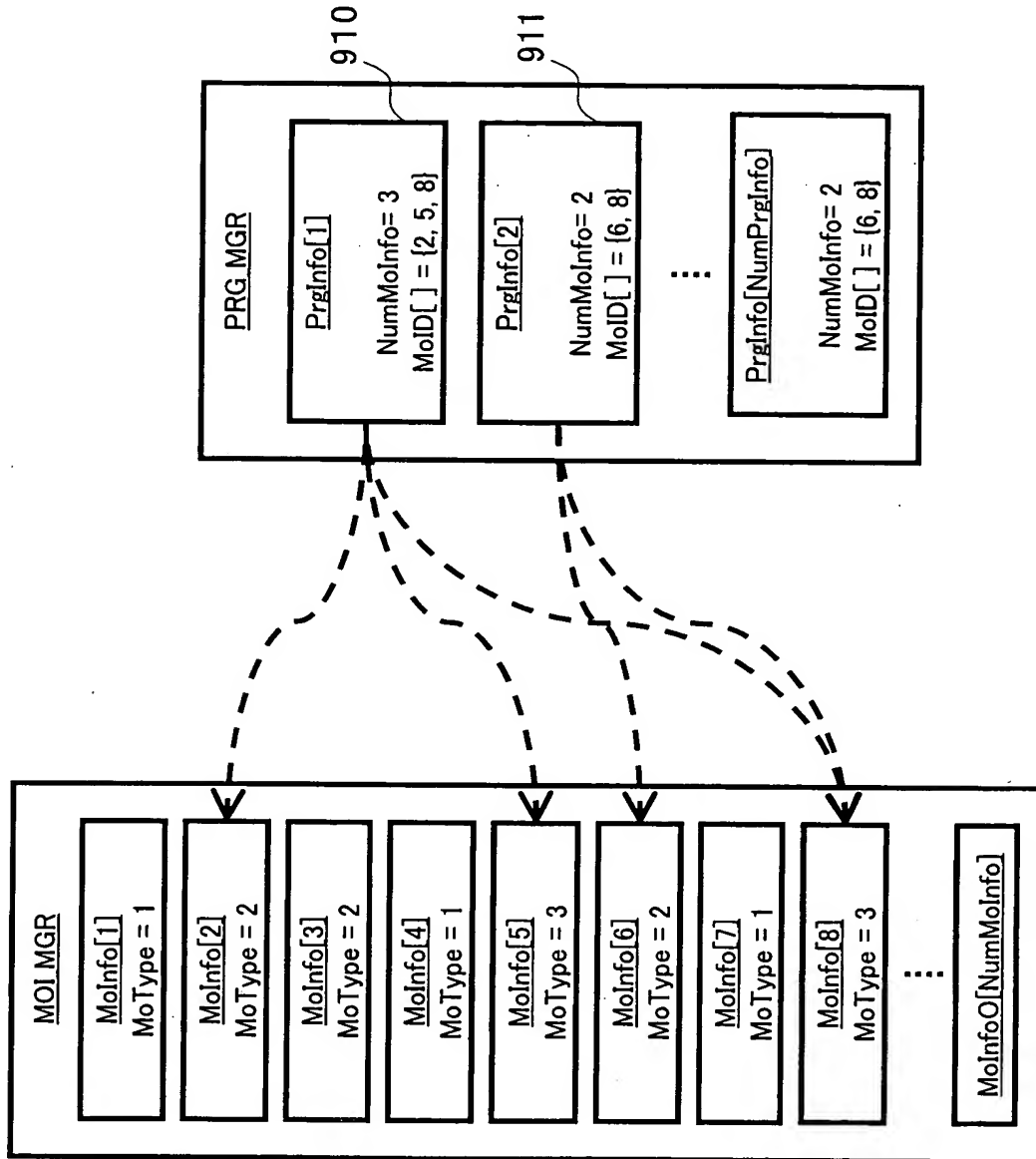


FIG.17

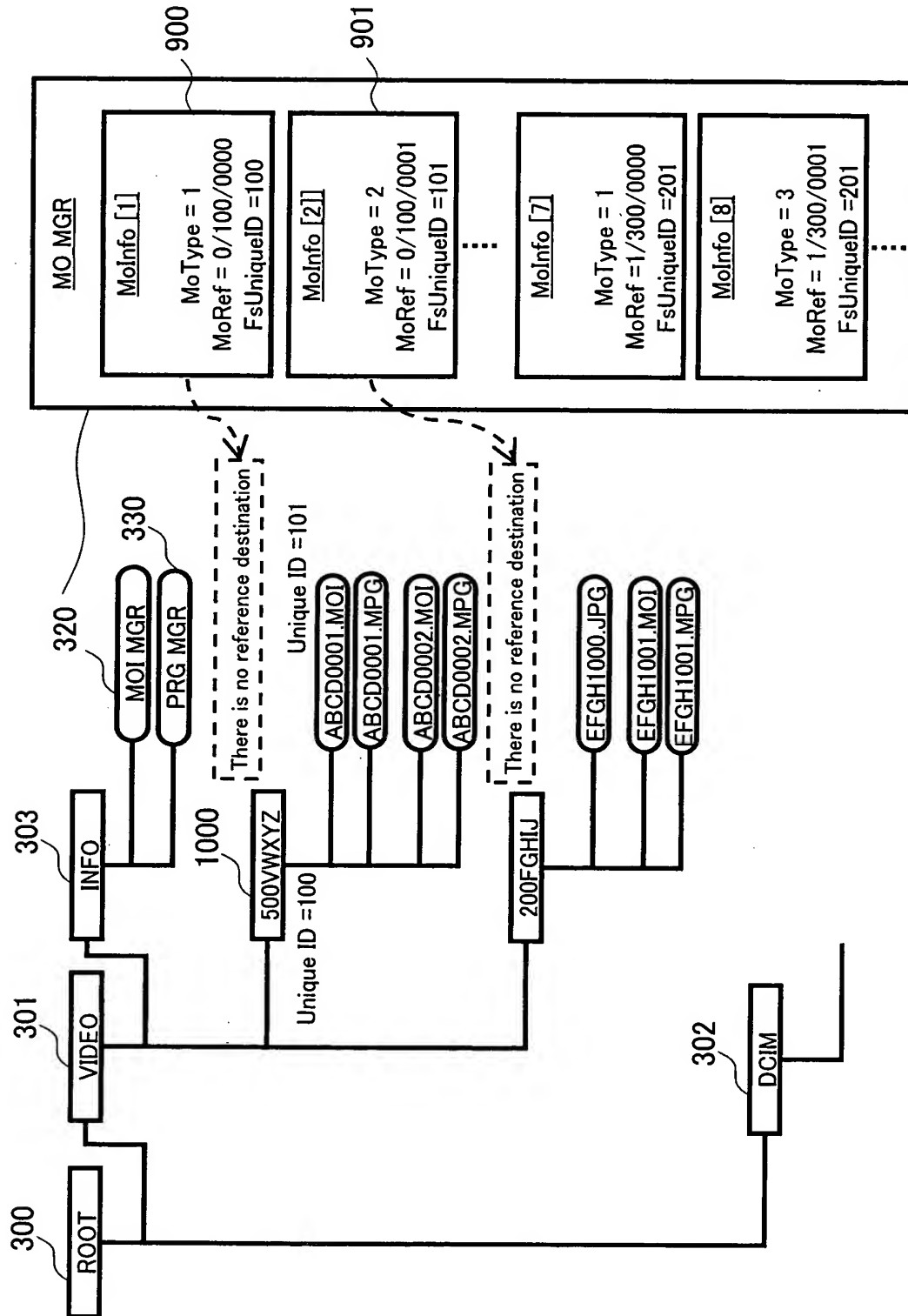
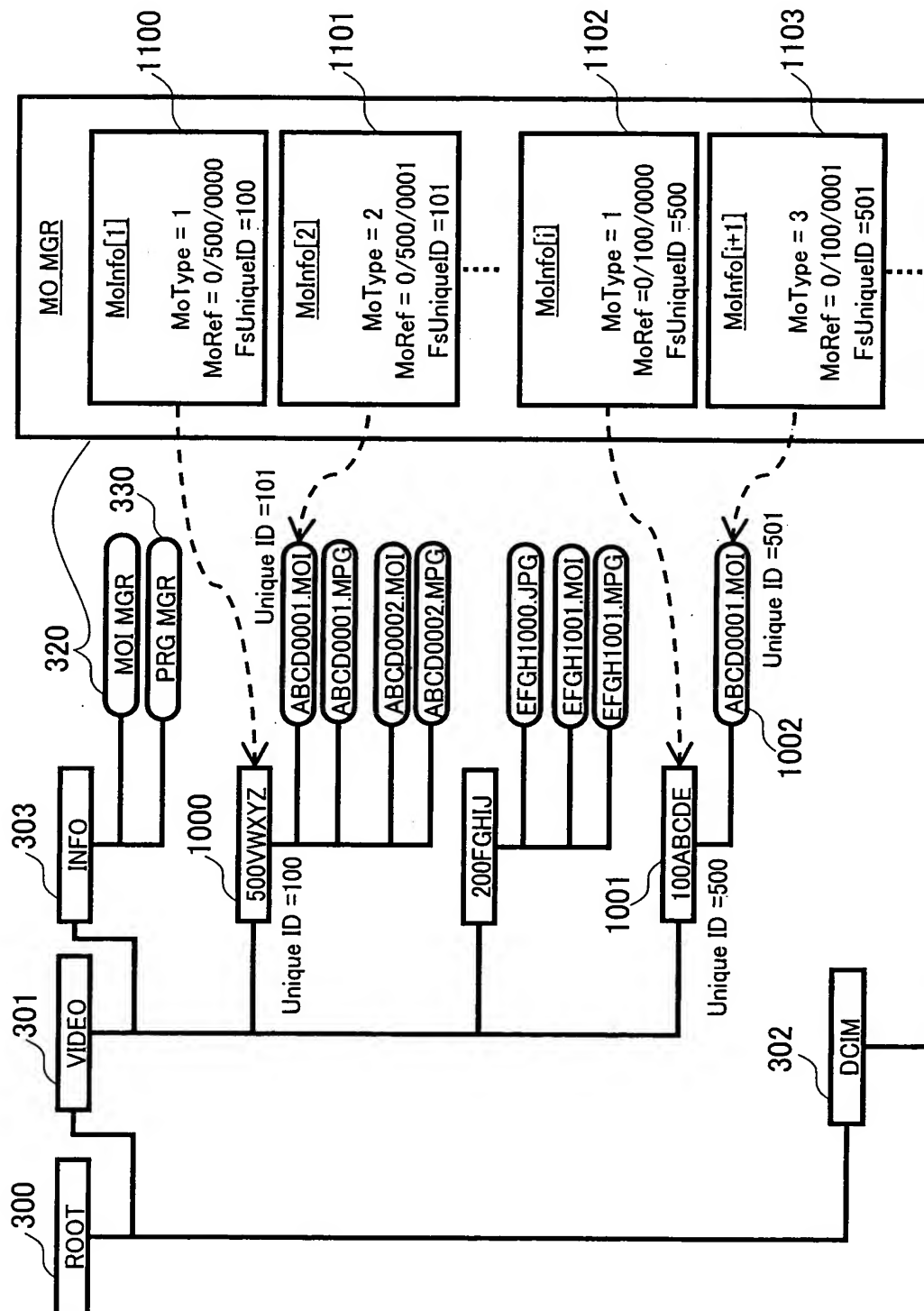


FIG.18



FIG. 19



2000	Field name	Contents
	unsigned int(16) MoType	Type of a media object
	OBJ_ID MoRef	Object reference information
	unsigned int(32) MoUniqueID	Unique ID assigned in a media object manager
	unsigned int(32) PlayBackDuration	Reproduction time of a media object (ms)
	unsigned int(16) Attributes	Attribute information of a media object
	unsigned int(16) TextID	Reference information to text information
	unsigned int(16) ThumbID	Reference information to representative thumbnail image information

2001

FIG.21

FIG.22A

BP	Length	Field name	Contents
0	4	Attribute Type	LB32 = 2048
4	1	Attribute Subtype	UInt8 = 1
5	3	Reserved	00hy bytes
8	4	Attribute Length	LB32
12	4	Implementation Use Length (IU_L)	LB32
16	32	Implementation Identifier	EntityID
48	IU_L	Implementation Use	bytes

2100

FIG.22B

BP	Length	Field name	Contents
0	2	Header Checksum	LB16
0	16	Media Object Unique ID	LB32

2101

Logical Volume Integrity Descriptor (LVID)

BP	Length	Field name	Contents
0	16	Descriptor Tag	Tag
16	12	Recording Date	timestamp
...
40	32	Logical Volume Contents Use	bytes
...
72	4	Number of Partitions (= N_P)	LB32
76	4	Length of Implementation Use (= L_IU)	LB32
...
NP x 8+80	L_IU	Implementation Use	bytes

FIG.23

FIG.24A

BP	Length	Field name	Contents
0	16	Unique ID	LB64
8	24	Reserved	00h bytes

3100

FIG.24B

BP	Length	Field name	Contents
0	32	Implementation ID	EntityID
32	4	Number of Files	LB32
36	4	Number of Directories	LB32
...

3101

3102

Field name	Contents
const unsigned int(16) DataType	Type of MO_MGR (Fixed value)
unsigned int(16) DataSize	Size of MO_MGR
unsigned int(32) PlayBackDuration	Total reproduction time of all media objects (ms)
Timestamp FsRecordingDate	The same value as that of the Recording Date 3000 is stored
unsigned int(64) FsUniqueID	The same value as that of the Unique ID 3100 is stored.
unsigned int(16) FsNumFile	The same value as that of the Number of Files 3101 is stored
unsigned int(16) FsNumDir	The same value as that of the number of Directories 3102 is stored
unsigned int(16) NumMoInfo	Number of object management information (MO_INFO)
int i; for (i =0; i <NumMoInfo; i++) { MO_INFO MoInfo }	Table of object management information

FIG.25

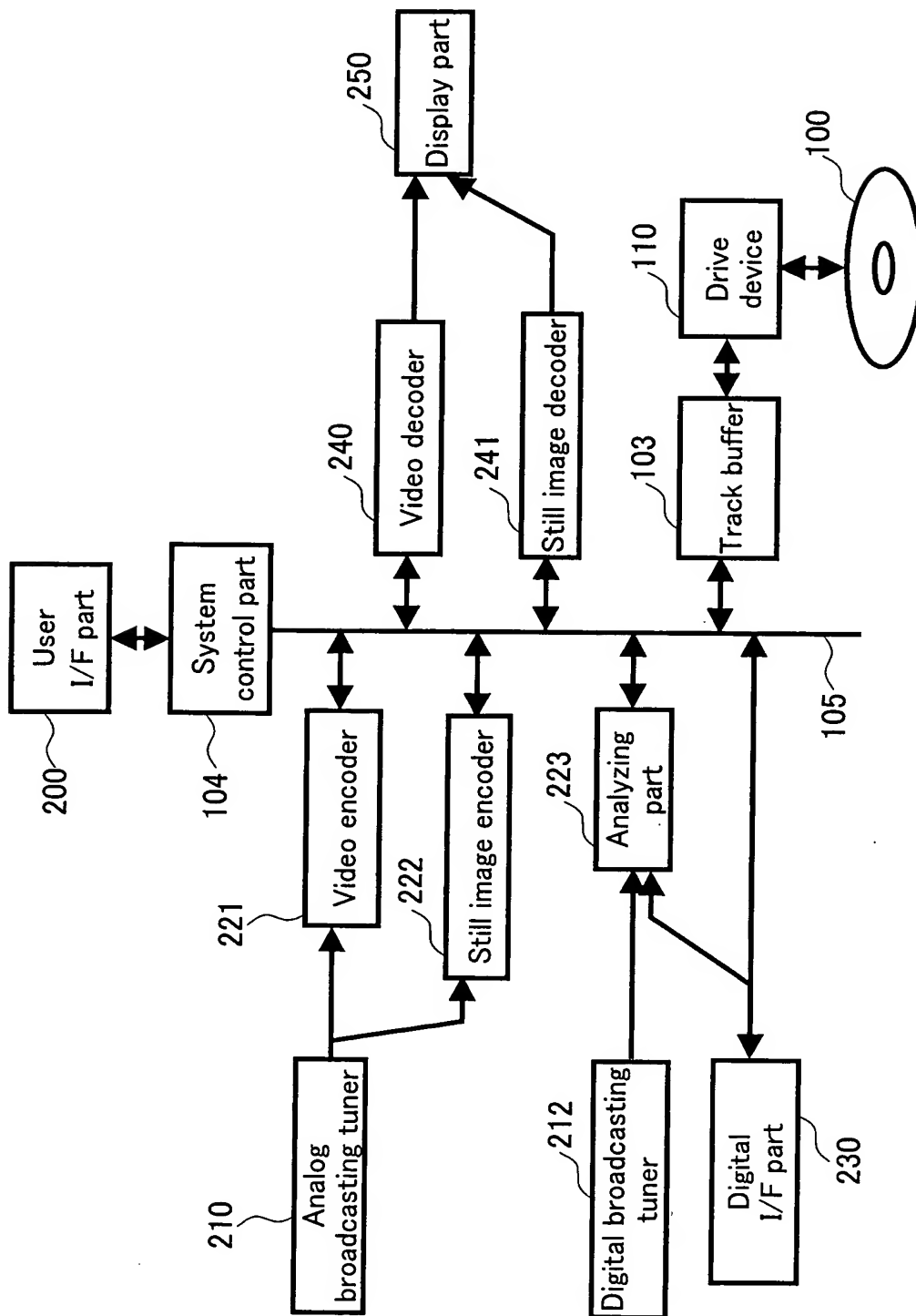


FIG.26

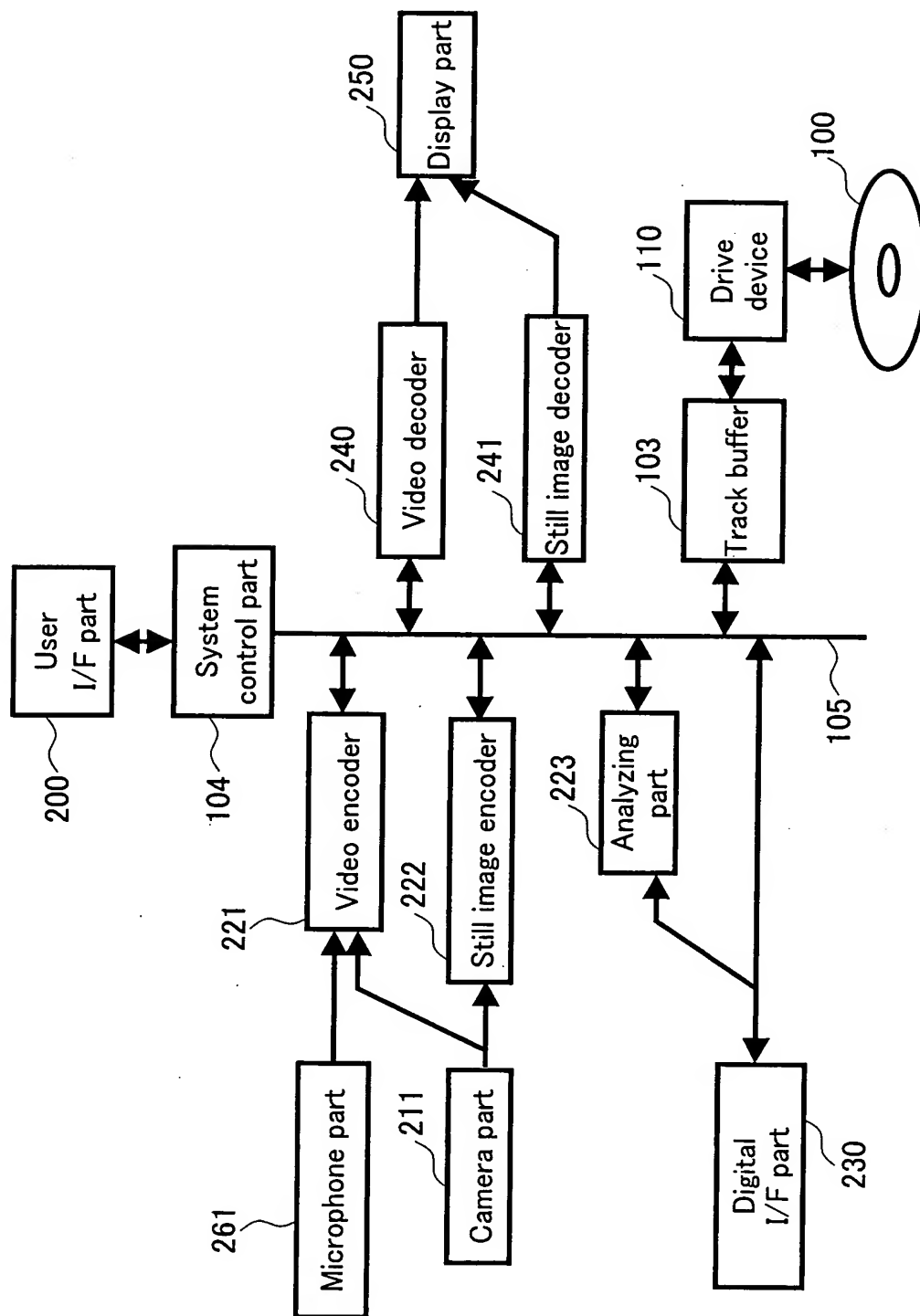
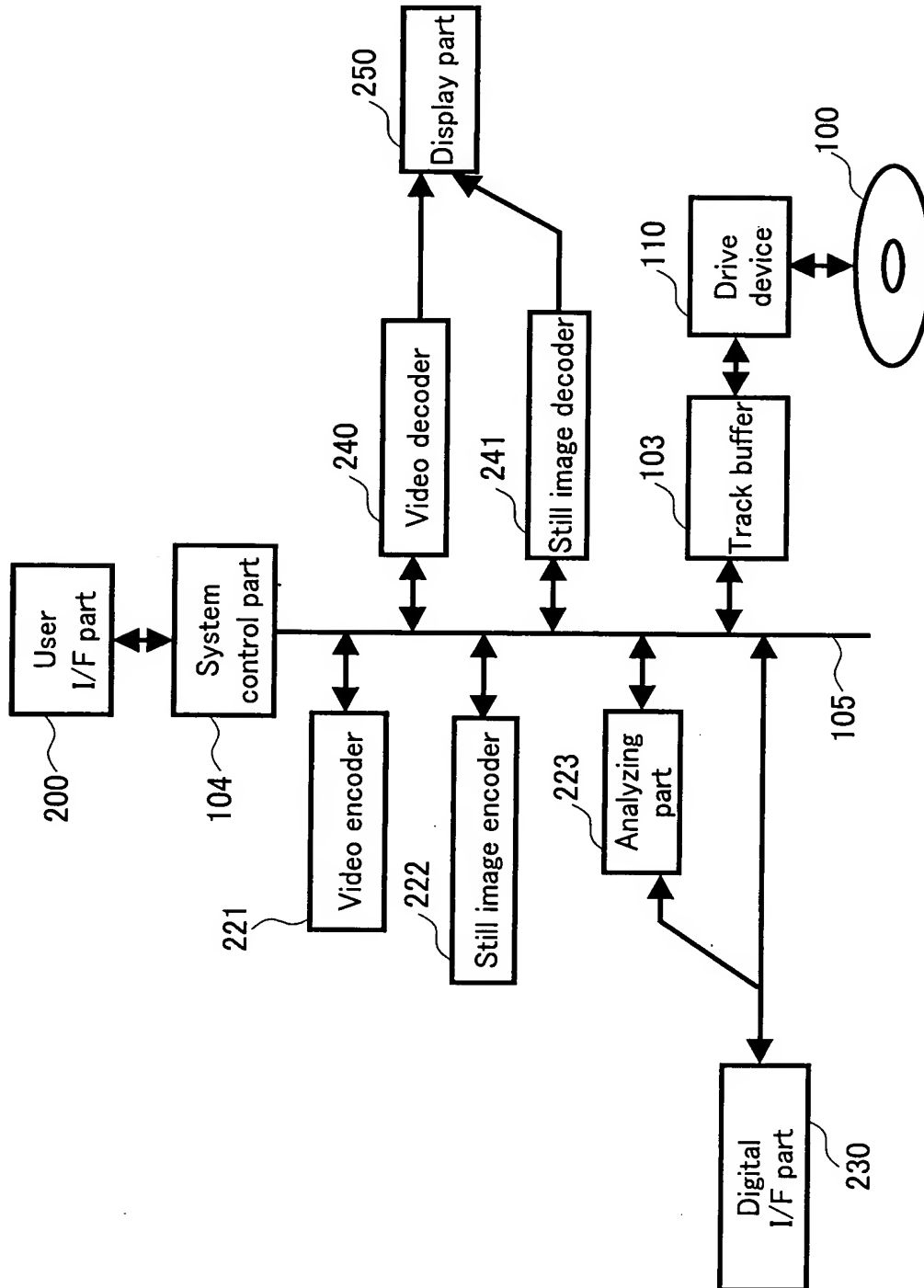


FIG.27



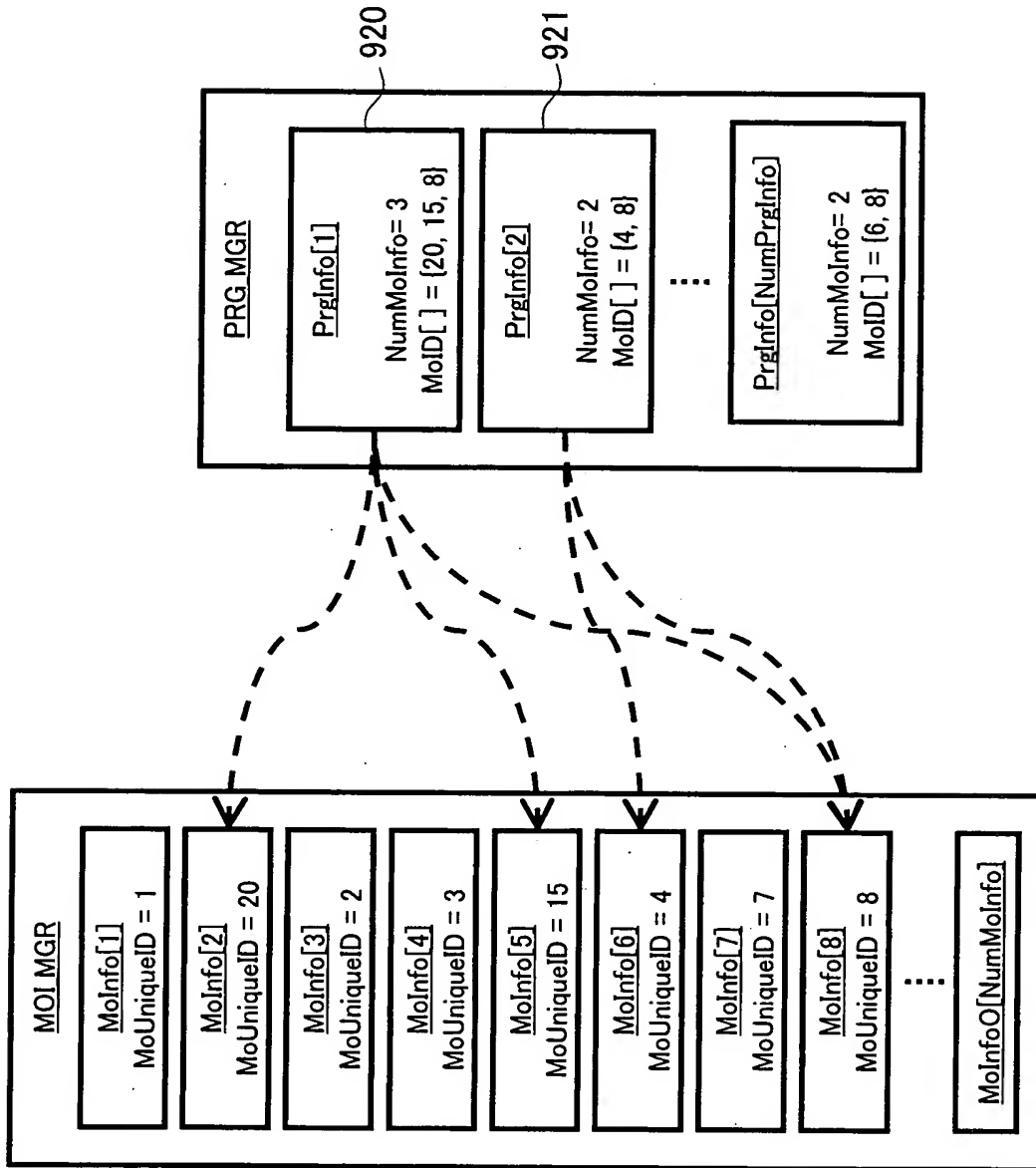


FIG.29

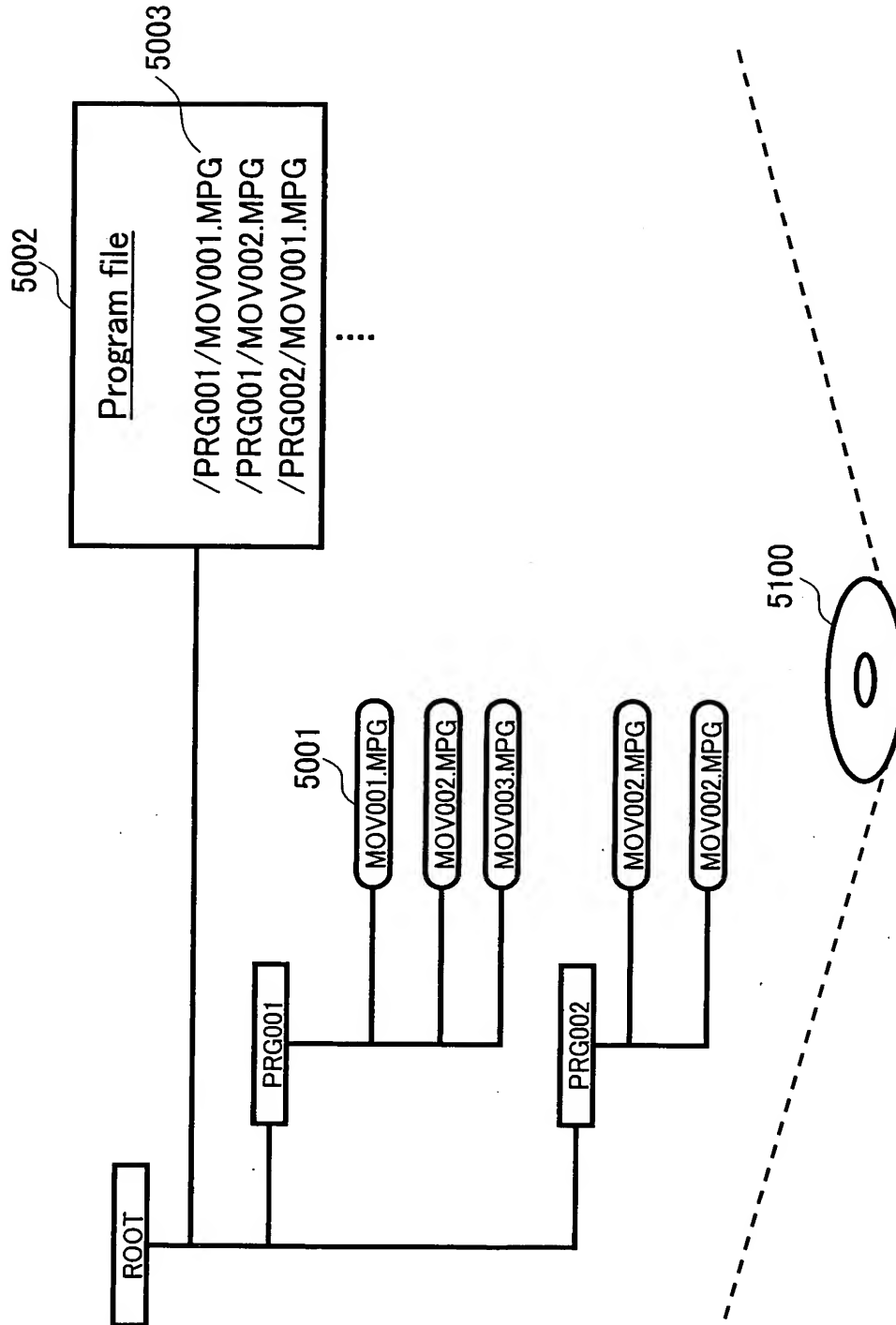


FIG.30

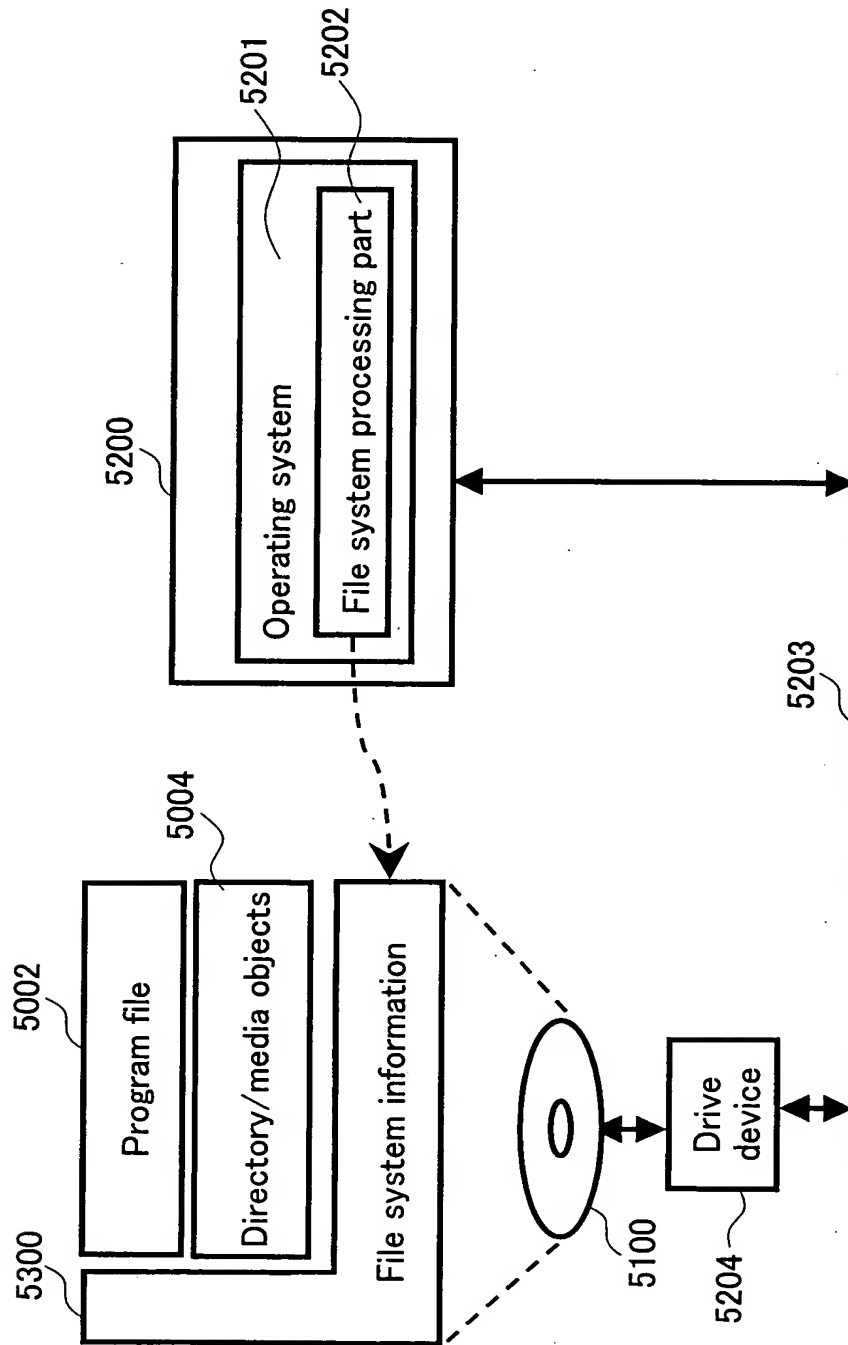


FIG.31